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- (58) **Field of Classification Search**
CPC F21V 7/22
(Continued)

- (56)
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Primary Examiner — Jacob R Stern

(74) *Attorney, Agent, or Firm* — GE Global Patent
Operation; Peter T. DiMauro

(57) **ABSTRACT**

A system and method according to various embodiments can include a lighting fixture comprising a light source. A multilayer thin film coated reflector is applied to an outer light emitting surface of the lighting fixture. A top layer of the multilayer thin film coated reflector comprises a material including an anatase TiO crystal structure that exhibits antimicrobial properties when activated by the light source.

11 Claims, 5 Drawing Sheets

